



Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/887,997		
		Filing Date	June 22, 2001		
		First Named Inventor	Quake, Stephen R.		
		Art Unit	1765		
		Examiner Name	Robert M. Kunemund		
Sheet	1	of	1	Attorney Docket Number	20174C-004900US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	ANDERSSON et al., Consecutive Microcontact Printing - Ligands for Asymmetric Catalysis in Silicon Channel, Sensors and Actuators, B, 3997, 2001, pp 1-7.	
	2	CHAYEN, The Role of Oil in Macromolecular Crystallization, Structure, 1997, Vol. 5, No. 10, pp 1269-1274.	
	3	DUCRUIX et al., Methods of Crystallization in Crystallization of Nucleic Acids and Proteins - A Practical Approach, IRL Press, Oxford. 1992; : 73- 98.	
	4	MCPHERSON, Crystallization of Macromolecules: General Principles, Methods Enzymol., 1985, pp. 114, 112	
	5	MCPHERSON et al., Crystallization of Proteins by Variations of pH of Temperature, Methods Enzymol., 1985; 114: pp. 125-127.	
	6	MCPHERSON et al., Use of Polyethylene Glycol in the Crystallization of Macromolecules, Methods Enzymol., 1985; 114: pp. 120-125.	
	7	PHILLIPS, Crystallization in Capillary Tubes, Methods Enzymol. 1985; 114: pp. 128- 131	
		8	WU et al., MEMS Flow Sensors for Nano-Fluidic Applications, Sensors and Actuators A 89, 2001, pp 152-158.

Examiner Signature		Date Considered	1/5/05
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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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<i>[Signature]</i>	1	CARTER et al., Protein Crystallization Using Incomplete Factorial Experiments, the Journal of Biological Chemistry, 1979, pp. 12219-12223, Vol. 254, No. 23.	
	2	CARTER et al., Statistical Design of Experiments for Protein Crystal Growth and the Use of a Precrystallization Assay, Journal of Crystal Growth 90, 1998, pp. 60-73.	
	3	JARAMILLO et al., Crystallization and Cryocrystallography inside X-ray capillaries, J. Appl. Cryst. (2001). 34, pp. 365-370.	
	4	KAMHOLZ et al., Quantitative Analysis of Molecular Interaction in a Microfluidic Channel: The T-Sensor, Analytical Chemistry, Vol. 71, No. 23, December 1, 1999, pp. 5340-5347.	
	5	LIN et al., Convective-diffusive transport in protein crystal growth, Journal of Crystal Growth, 151 (1995), pp. 153-162.	
	6	LUFT et al., Kinetic Aspects of Macromolecular Crystallization, Methods in Enzymology, 1997, pp. 110-130, Vol. 276.	
	7	MILLER et al., A Comparison between Protein Crystals Grown with Vapor Diffusion Methods in Microgravity and Protein Crystals using a Gel Liquid-liquid diffusion Ground-Based Method, Journal of Crystal Growth 132 (1992), pp. 306-309	
	8	NERAD et al., Ground-Based Experiments on the Minimization of Convection During the Growth of Crystals From Solution, Journal of Crystal Growth, 1986, pp. 591-608, Vol. 75.	
	9	RUIZ et al., Agarose as Crystallization Media for Proteins I: Transport Processes, Journal of Crystal Growth, 2001, pp. 165-172, Vol. 232.	
	10	RUIZ et al., Investigations on Protein Crystal Growth by the Gel Acupuncture Method, Acta Crystallographica, 1994, pp. 484-490, Section D.	
	11	SALEMME, A Free Interface Diffusion Technique for the Crystallization of Proteins for X-Ray Crystallography, Archives of Biochemistry and Biophysics, 1972, pp. 533-539, Vol. 151.	
<i>[Signature]</i>	12	THOMAS et al., Distribution coefficients of Protein Impurities in Ferritin and Lysozyme Crystals Self-Purification in Microgravity, Journal of Crystal Growth 211 (2000), pp. 149-156.	

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Sheet 1 of 1

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Application Number	09/887,997
Filing Date	June 22, 2001
First Named Inventor	Quake, Stephen R.
Art Unit	1725
Examiner Name	Unassigned
Attorney Docket Number	20174C-004900US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>[Signature]</i>	1	US 4,948,564 A	08-14-1990	Lyman et al.	


FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	2	PCT	WO 99/52633	A	10-21-1999	Luminal Technologies		
	3	PCT	WO 00/43748	A	07-27-2000	YSI Inc.		
	4	PCT	WO 99/00655	A	01-07-1999	Immunetics		

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			Examiner Name	Robert M. Kunemund	
Sheet	2	of	2	Attorney Docket Number	20174C-004900US

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	5	Ward et al., Automatic Preparation of Protein Crystals Using Laboratory Robotics and Automated Visual Inspection, Journal of Crystal Growth 90 (1988), pp. 325-339.	

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U.S. PATENT DOCUMENTS+

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
<i>[Signature]</i>	1	WO	99/04361	A1	01-28-1999	Gester et al.		
	2	WO	00/00678	A1	01-06-2000	Hol et al.		
	3	WO	01/09595	A2	02-08-2001	Stewart et al.		
	4	WO	01/09595	A3	02-08-2001	Stewart et al.		

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